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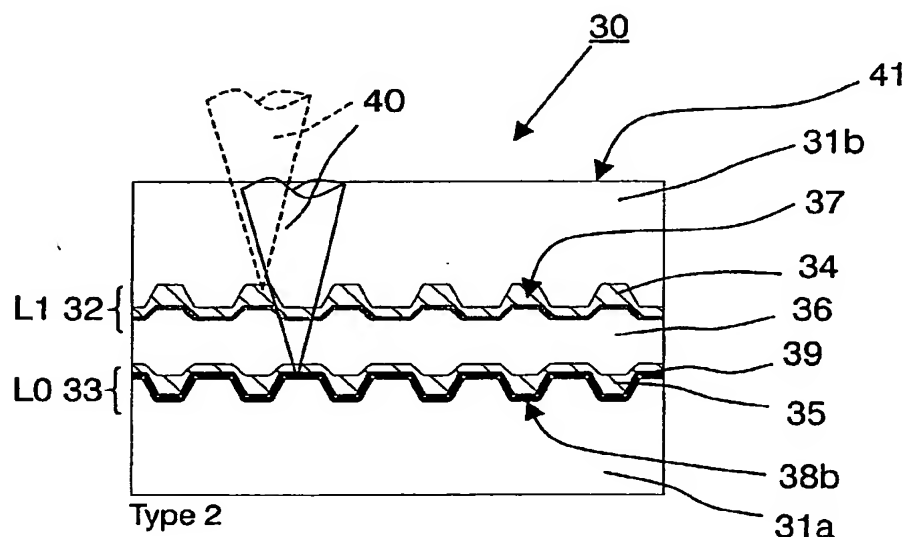
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(54) Title: OPTICAL DATA STORAGE MEDIUM AND USE OF SUCH MEDIUM



(57) Abstract: A multi-stack optical data storage medium (30) for recording and reading using a focused radiation beam (40) entering through an entranceface (41) of the medium (30) is described. It has a first substrate (31a) with present on a side thereof a first recording stack (33) named L<sub>0</sub>, comprising a recordable type L<sub>0</sub> recording layer (35), formed in a first L<sub>0</sub> guide groove (38a, 38b). A first reflective layer (39) is present between the first L<sub>0</sub> recording layer (35) and the first substrate (31a). A second substrate (31b) with present on a side thereof a second recording stack (32) named L<sub>1</sub> is present at a position closer to the entrance face (41) than the L<sub>0</sub> recording stack (33) and formed in a second L<sub>1</sub> guide groove (37). A transparent spacer layer (36) is sandwiched between the recording stacks (32, 33). The first L<sub>0</sub> guide groove (38a, 38b) has a depth G<sub>L0</sub> < 100 nm. In this way a relatively high reflection value of the L<sub>0</sub> stack is achieved at a radiation beam wavelength of approximately 655 nm.

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